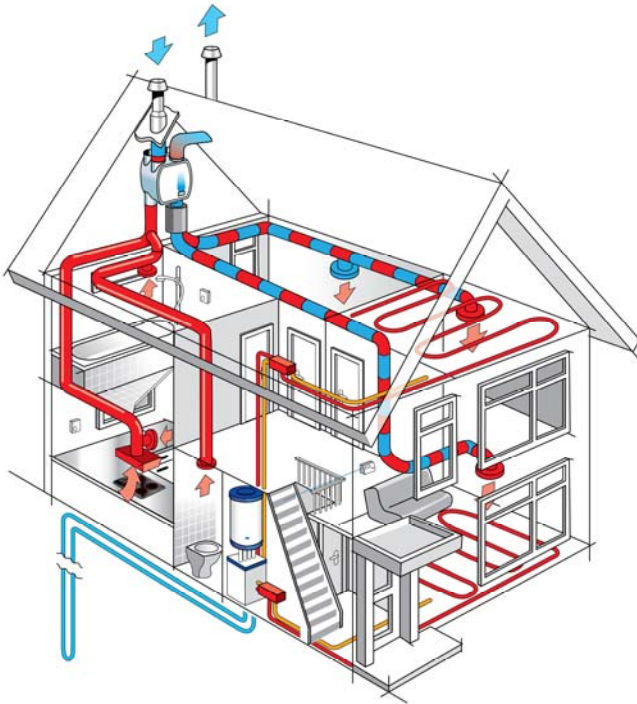




HEAT RECOVERY VENTILATION

A BREATH OF FRESH AIR



Pre-heated, Filtered, Fresh air. Balanced Ventilation is key. Fresh air becomes a concern now that we tighten up our homes with insulation – sealing up all air leaks also prevents outside air from entering the building.

Stagnant indoor air can quickly be contaminated with pollutants like dust, mould, pollen, radon and even carbon monoxide. Heat recovery ventilation can remedy this potentially unhealthy situation, which for instance helps sufferers from asthma – but it also lowers your utility bills.

Benefits of heat recovery ventilation:

- Relief of allergy problems
- Controlled inlet of heated fresh air
- Exhaust air evacuation
- No draft sensation – “no holes in the walls”
- Supports primary heating of building

The air inside a building should be “exchanged” with fresh air approximately 8-12 times in a 24-hour period. The fact is that on average a house has only five – or fewer – air exchanges in a day.

Heat recovery ventilation technology

- 2-year warranty
- Top-rated on SAP Appendix Q
- 100% summer bypass valve
- Well insulated and compact unit
- 93% efficient



ITHO HEAT RECOVERY VENTILATION

The Itho Eco4 mechanical ventilation heat recovery unit is an ideal solution especially for dwellings built to the highest standard of air-tightness. Eco4 incorporates a sophisticated counter-flow heat exchanger which can recover up to 93% of the heat from the exhaust air. Another unique part of the system is the patented clamp construction, which optimises the sealing of the various parts of the system – no internal or external leakage guaranteed!

The Eco4 is a modern, compact unit designed to be installed in different type of dwellings – from smaller to large houses, apartments and commercial applications. The unit is wall mounted and can be fitted in the loft, closed storage rooms or hot press.

Further advantages of the design of the Itho Eco4 units are:

- 100% summer bypass valve which diverts the supply air around the heat exchanger in summer
- Frost protection device
- Low maintenance :
 - ✓ Clean filters on average every 6-9 months and replace filters once a year
 - ✓ Clean heat exchanger every 6 years

APPENDIX Q ELIGIBLE

The Standard Assessment Procedure (SAP) Appendix Q, rating the energy consumed by fans against flow rate and efficiency of heat exchangers – is one of the essential factors in order to obtain one of the higher energy ratings.

HRV equipment that has not been tested will have to use the default efficiency of 66% and SFP (Specific Fan Power) 2.0W/l/s in the Dwelling Energy Assessment Procedure DEAP while tested equipment have a proven that is beyond 90%. The Itho Eco4 system is currently the highest rated on Standard Assessment Procedure (SAP) Appendix Q.

TECHNICAL DETAILS



1 Itho unit is capable of handling on average 1 kitchen + 7 additional wet rooms (i.e. bathroom, utility room, ensuite, etc.)

Power supply : 230V AC

Frequency : 50Hz

Dimensions : H 848mm x W 730mm x D 479mm

Protection : IP31

Filter class : Standard supplied G3 / Optional extra G4FF

Condensate discharge Diameter : 40mm external

Itho products are distributed by:



Homevalue

GLYNNS HOMEVALUE
Unit 17, Lakeside Retail Park,
Claremorris, Co. Mayo
Tel: 094 9377987 -Email:
showroom@glynns.ie